

# MATERIAL SAFETY DATA SHEET

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## TRI-SODIUM PHOSPHATE

### HMIS

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	E

### 1. Product And Company Identification

#### Supplier

CUSTOM BUILDING PRODUCTS  
13001 SEAL BEACH BLVD.  
SEAL BEACH, CA 90740 UNITED STATES

Company Contact: GEORGE MARCINA  
Telephone Number: (323) 582-0846

#### Manufacturer

CUSTOM BUILDING PRODUCTS  
13001 SEAL BEACH BLVD.  
SEAL BEACH, CA 90740 UNITED STATES

Company Contact: GEORGE MARCINA  
Telephone Number: (323) 582-0846

#### Supplier Emergency Contacts & Phone Number

GEORGE MARCINA: (323) 582-0846

#### Manufacturer Emergency Contacts & Phone Number

GEORGE MARCINA: (323) 582-0846

Issue Date: 06/27/2005

Product Name: TRI-SODIUM PHOSPHATE

Chemical Name: Tri Sodium Phosphate

CAS Number: 10101-89-0

Chemical Family: Phosphate

Chemical Formula:  $\text{Na}_3\text{PO}_4 \cdot (12 \text{ H}_2\text{O}) \cdot 4 \text{ NaOH}$

MSDS Number: 19

Product Code: 8032

### 2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
SODIUMPHOSPHATE,TRIBASIC,DODECAHYDRATE	10101-89-0	95 - 100

### EMERGENCY OVERVIEW

**WARNING STATEMENT: DANGER! CAUSES EYE IRRITATION. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION.**

### 3. Hazards Identification

#### Primary Routes(s) Of Entry

Eyes, skin, nose and ingestion.

#### Eye Hazards

May cause eye burns, irritation, permanent damage to cornea

#### Skin Hazards

May cause burns, irritation. Irritation is more severe if skin is moist or wet.

#### Ingestion Hazards

May cause irritation, corrosion burns to mouth and esophagus. Aspiration of the swallowed or vomited product can cause severe pulmonary complications.

#### Inhalation Hazards

May cause coughing, chest pain, shortness of breath, upper respiratory tract irritation, serious damage to lung tissues and respiratory tract.

## TRI-SODIUM PHOSPHATE

### 3. Hazards Identification - Continued

#### **Chronic/Carcinogenicity Effects**

This product does not contain any ingredients designated by IARC NTP, ACGIH or OSHA as probable or suspected human carcinogen.

#### **Conditions Aggravated By Exposure**

Existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

ACUTE: The material is moderately toxic to humans.

CHRONIC: Chronic toxicity is known but is not believed to be significant for low concentrations.

### 4. First Aid Measures

#### **Eye**

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15- 30 minutes. Get medical attention immediately. If eyes need to be bandaged, use dry, sterile cloth pads. Cover both eyes.

#### **Skin**

Immediately wash with plenty of soap in flowing water for at least 15 min. Get medical attention immediately. Remove contaminated clothing and shoes. Wash clothing before reuse.

#### **Ingestion**

If victim is fully conscious, give 2-3 glasses of water to drink. Do not induce vomiting. If vomiting occurs and victim is conscious, give water to dilute the material. Seek immediate medical attention. To prevent aspiration of swallowed product lay victim on side with head lower than waist.

#### **Inhalation**

Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, administer CPR. Get medical attention immediately.

#### **Note To Physician**

Treat symptomatically. No antidote available. All phosphate salts except calcium, have a hypothetical risk of hypocalcaemia. Sodium salts have hypothetical risk of hypernatremia. Calcium, sodium and phosphate levels should be monitored. Ingestion of a large quantities, over 1 g for adults, may cause an osmotic catharsis resulting in diarrhea. 4-8 g will cause these effects in everyone. Doses greater than 10 g hypothetically may cause systemic toxicity.

### 5. Fire Fighting Measures

**Flash Point:** N/A °F

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

#### **Fire And Explosion Hazards**

Not combustible.

#### **Extinguishing Media**

Use method suitable for surrounding fire.

#### **Fire Fighting Instructions**

Not combustible.

### 6. Accidental Release Measures

Sweep up immediately, collect and dispose. Use appropriate containers to avoid environmental contamination. Flush spill area with water. Do not empty into drains. Do not flush to sewer. Avoid runoff to waterways and sewers.

### 7. Handling And Storage

#### **Handling And Storage Precautions**

Keep containers tightly closed in dry and cool area. Avoid direct and prolonged contact with skin or eye. Do not ingest. Wash thoroughly after handling.

## TRI-SODIUM PHOSPHATE

### 7. Handling And Storage - Continued

#### Handling Precautions

ATTENTION! Potentially deadly carbon monoxide gas can form in enclosed areas when alkaline products contact materials that contain sugars. Do not enter until oxygen and carbon monoxide levels have been determined safe. Continue monitoring atmosphere while personnel is in enclosure.

#### Work/Hygienic Practices

Wash thoroughly with soap and water after handling. Always use good housekeeping practices. Do not store use and / or consume foods beverages, tobacco or cosmetics in area where this material is stored. Wash exposed skin promptly to remove accidental splashes of contact with this material.

### 8. Exposure Controls/Personal Protection

#### Engineering Controls

Use with adequate ventilation.

#### Eye/Face Protection

Safety glasses with side shields or goggles.

#### Skin Protection

Chemical-resistant gloves.

#### Respiratory Protection

General ventilation is normally adequate. When exposed to dust above the recommended limits, wear a suitable NIOSH-approved respirator.

### 9. Physical And Chemical Properties

#### Appearance

White granules.

#### Odor

Odorless

**Chemical Type:** Pure

**Physical State:** Solid

**Melting Point:** 167 °F 75 °C

**Boiling Point:** N/A °F

**Molecular Weight:** 1560

**Vapor Density:** N/A

**Solubility:** 30g/100g IN WATER @77F

**Evaporation Rate:** N/A

### 10. Stability And Reactivity

**Stability:** STABLE

**Hazardous Polymerization:** WILL NOT OCCUR.

#### Conditions To Avoid (Stability)

Moisture

#### Incompatible Materials

Strong acids and magnesium.

#### Hazardous Decomposition Products

Oxides of sodium and phosphorus.

Decomposition temperature: 77 deg. C = 171 deg F.

### 11. Toxicological Information

#### Eye Effects

Irritation, rabbit. Corrosive

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## TRI-SODIUM PHOSPHATE

### 11. Toxicological Information - Continued

#### Skin Effects

Irritation, rabbit. Corrosive 24 hr covered exposure, dry skin. Non Irritation - 4 hrs, uncovered, dry skin

#### Acute Oral Effects

LD 50 - lethal does 50% of test species 7400 mg/ kg rat.

LD 50 - lethal does 50% of test species >5000 mg/ kg rat

#### Chronic/Carcinogenicity

This product does not contain any substance that is considered by OSHA, NTP, IARC or ACGIH to be probable or suspected human carcinogens.

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Refer to applicable federal, state, and local regulations prior to disposition of container and residual contents. Do not allow into any sewer, on the ground, or into any body of water. Do not empty into drains.

#### RCRA Information

Not considered EPA hazardous waste.

### 14. Transport Information

#### Proper Shipping Name

DOT Shipping Name - Environmentally hazardous substance, solid, NOS

DOT Technical Shipping name - Sodium Phosphate, tribasic.

DOT ID Number - UN3077

DOT Packaging Group III

#### Hazard Class

DOT Hazard Class 9

#### DOT Shipping Label

Class 9

#### Packaging Requirements

DOT Labels Class 9

### 15. Regulatory Information

#### U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

#### SARA Hazard Classes

Acute Health Hazard

**Threshold Planning Quantity (Lbs): 5000**

#### Ingredient(s) - State Regulations

SODIUM PHOSPHATE, TRIBASIC, DODECAHYDRATE

New Jersey - Workplace Hazard

Pennsylvania - Workplace Hazard

Pennsylvania - Environmental Hazard

New York City - Hazardous Substance

### 16. Other Information

No Data Available...

## TRI-SODIUM PHOSPHATE

### 16. Other Information - Continued

#### NFPA Rating

Health: 3

Fire: 0

Reactivity: 0

#### HMIS Rating

Health: 3

Fire: 0

Reactivity: 0

Personal Protection: E

#### Revision/Preparer Information

MSDS Preparer: GEORGE MARCINA

MSDS Preparer Phone Number: (323) 582-0846

This MSDS Supercedes A Previous MSDS Dated: 11/28/2002

### Disclaimer

THE INFORMATION PRESENTED HERE IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE, WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED, THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

CUSTOM BUILDING PRODUCTS